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FIG. 1

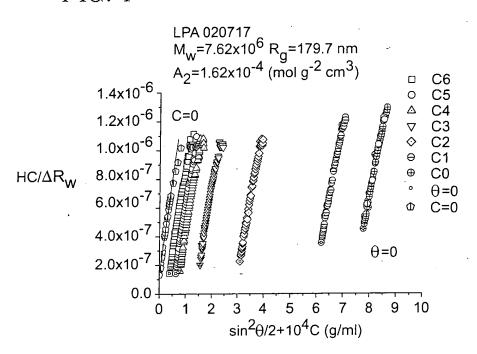
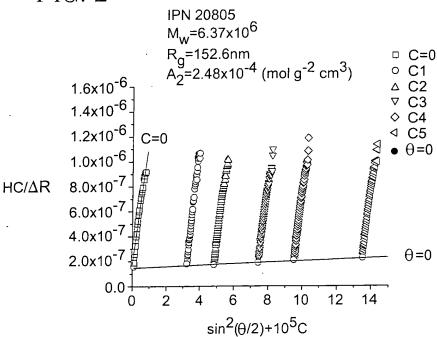


FIG. 2



Application Serial No.: 10/671,335
Inventors: Benjamin Chu, et al
Title: Quasi-Interpenetrating Networks Used
As Separation Media
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FIG. 3

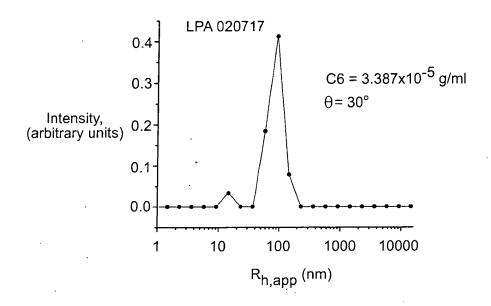
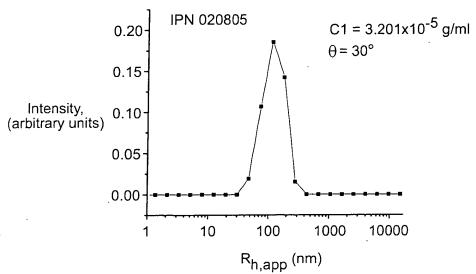


FIG. 4



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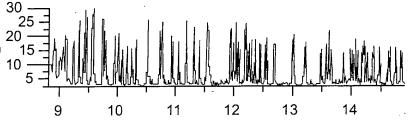
FIG. 5A

020604-2.0%; DNA: pGEM-3Zf(+) from the -21 M13 forward primer;

Capillary: 34/42cm; Injection: 75V/cm, 8s;

Run: 225 V/cm; Buffer: 1xTTE+7M urea; Temperature: 60°C

Fluorescence Intensity (x10<sup>3</sup>)



Migration Time (min)

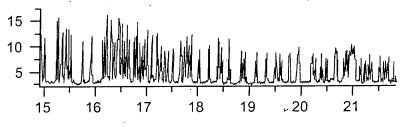
FIG. 5B

020604-2.0%; DNA: pGEM-3Zf(+) from the -21 M13 forward primer;

Capillary: 34/42cm; Injection: 75V/cm, 8s;

Run: 225 V/cm; Buffer: 1xTTE+7M urea; Temperature: 60°C

Fluorescence Intensity (x10<sup>3</sup>)



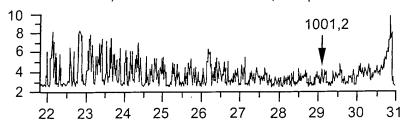
Migration Time (min)

020604-2.0%; DNA: pGEM-3Zf(+) from the -21 M13 forward primer;

Capillary: 34/42cm; Injection: 75V/cm, 8s; Run: 225 V/cm; Buffer: 1xTTE+7M urea; Temperature: 60°C

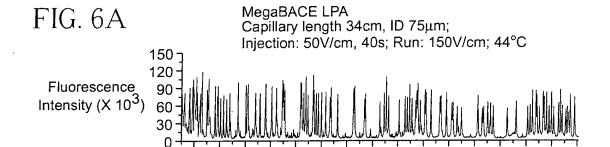
FIG. 5C

Fluorescence Intensity (x10<sup>3</sup>)



Migration Time (min)

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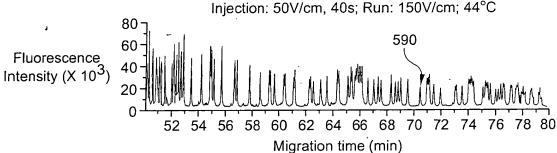
.

FIG. 6B

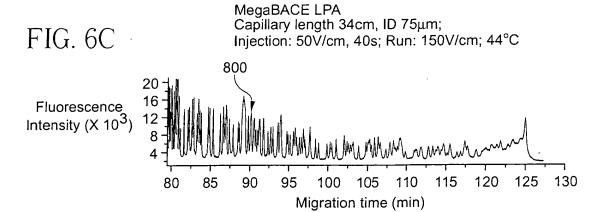
Capillary length 34cm, ID 75µm;

Migration time (min)

22 24 26 28 30 32 34 36 38 40 42 44 46 48 50

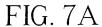


MegaBACE LPA



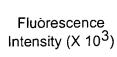
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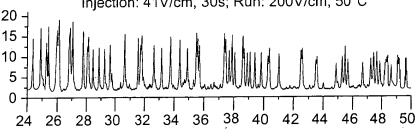
POP6



Capillary: L=34cm, ID=75μm

Injection: 41V/cm, 30s; Run: 200V/cm; 50°C



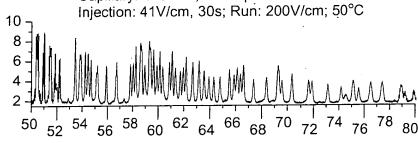


Migration Time (min)

## FIG. 7B

POP6 Capillary: L=34cm, ID=75µm

Fluorescence Intensity (X 10<sup>3</sup>)



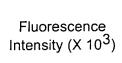
Migration Time (min)

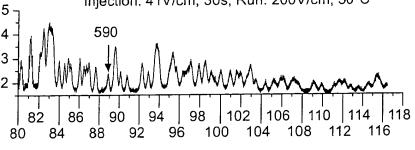
# FIG. 7C

POP6

Capillary: L=34cm, ID=75μm

Injection: 41V/cm, 30s; Run: 200V/cm; 50°C





Migration Time (min)

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## FIG. 8A

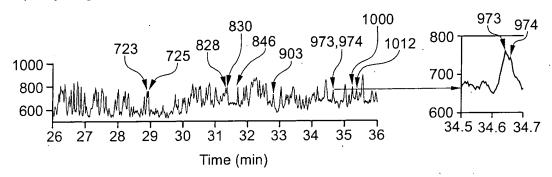
BigDye Terminator v3.0

Injection Voltage/Time: 47.6 V/cm 15 sec.

Running Voltage/cm: 200 V/cm

Capillary length: 31 cm, ID/OD = 49/361 µm

Temperature: 60 C Running Buffer: 1xTTE+7M Urea



## FIG. 8B

BigDye Terminator v3.0

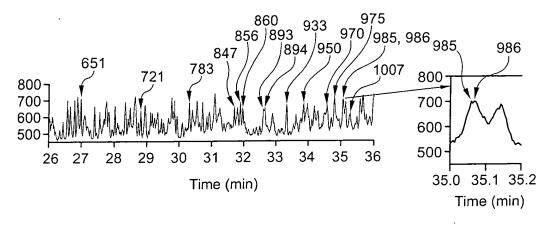
Injection Voltage/Time: 47.6 V/cm 15 sec.

Running Voltage/cm: 200 V/cm

Capillary length: 31 cm, ID/OD = 49/361 μm

Temperature: 60 C

Running Buffer: 1xTTE+7M Urea



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# FIG. 8C

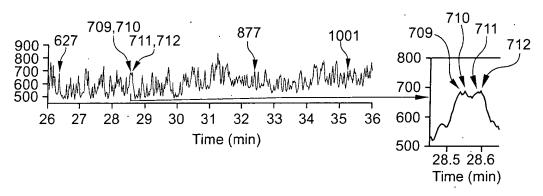
BigDye Terminator v3.0

Injection Voltage/Time: 47.6 V/cm 15 sec.

Running Voltage/cm: 200 V/cm

Capillary length: 31 cm, ID/OD = 49/361 μm

Temperature: 60 C Running Buffer: 1xTTE+7M Urea



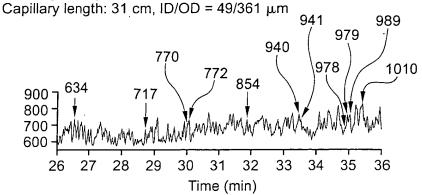
# FIG. 8D

BigDye Terminator v3.0

Injection Voltage/Time: 47.6 V/cm 15 sec.

Running Voltage/cm: 200 V/cm

Temperature: 60 C Running Buffer: 1xTTE+7M Urea



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FIG. 9A

Blue-G Medium: POP6-201117

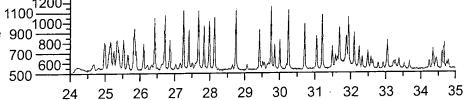
Temp:50°C

DNA: BigDye v3.0

Buffer:1x(ABI buffer with EDTA) Capillary: L = 49cm; ID ~ 50 µm

Run V: 200v/cm

Fluorescence 900 Intensity



Time (min)

FIG. 9B

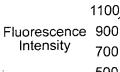
Blue-G Medium: POP6-201117

Temp:50°C Run V: 200v/cm

DNA: BigDye v3.0

Buffer:1x(ABI buffer with EDTA)

Capillary: L = 49cm; ID ~ 50μm



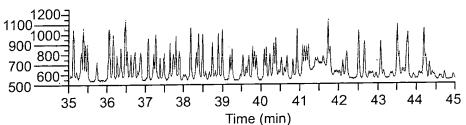


FIG. 9C

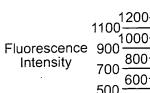
Blue-G Medium: POP6-201117

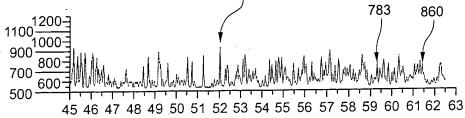
Temp:50°C Run V: 200v/cm

DNA: BigDye v3.0

Buffer: 1x(ABI buffer with EDTA)

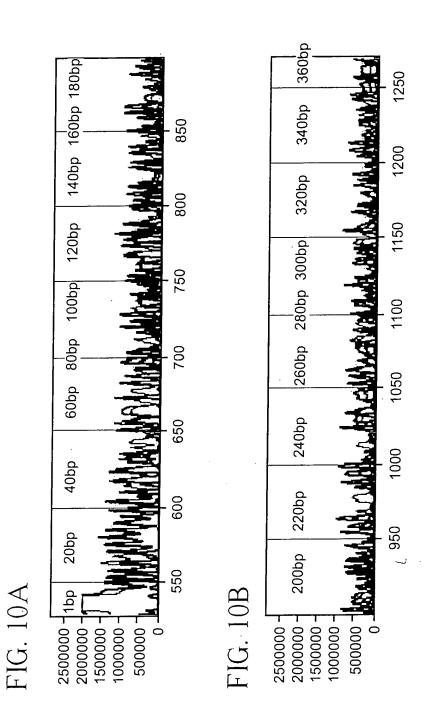
Capillary: L = 49cm; ID ~ 50μm



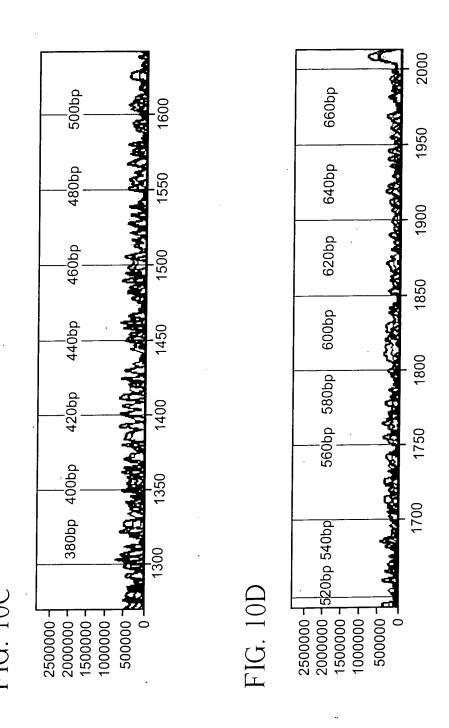


Time (min)

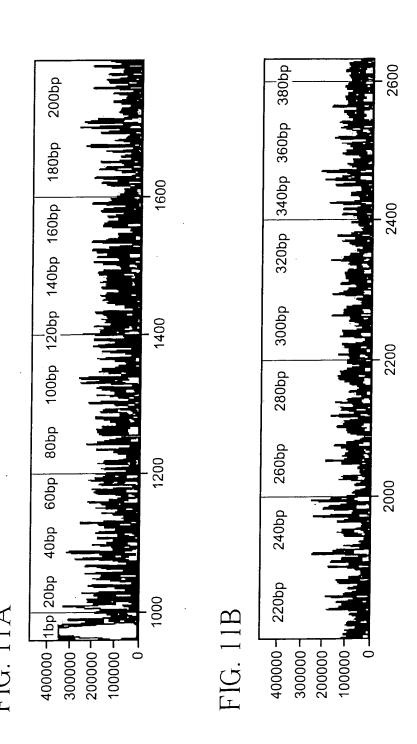
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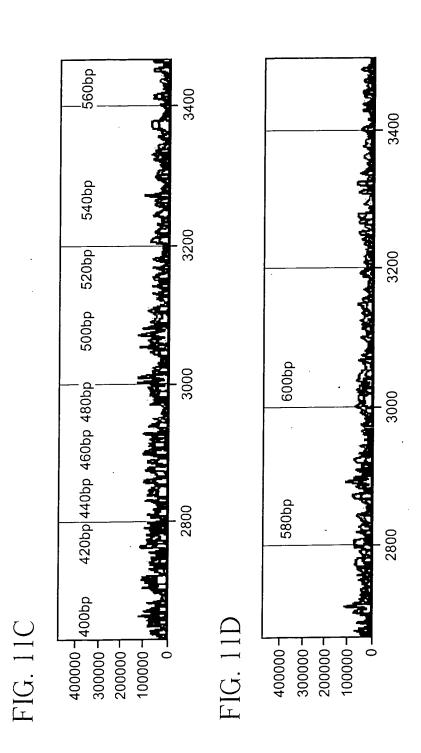
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Application Serial No.: 10/671,335 Inventors: Benjamin Chu, et al Title: Quasi-Interpenetrating Networks Used

As Separation Media Docket: 178-314 A

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FIG. 12A MPN-Blue-G Running Voltage/cm: 195.5 V/cm Injection Voltage/cm: 27 V/cm

60°C, Cap.Length: 33cm; ID/OD:50/361 μm

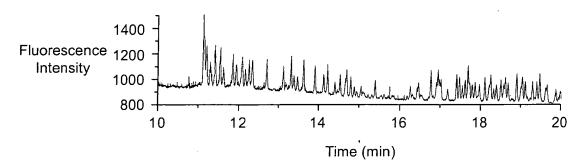


FIG. 12B MPN-Blue-G Running Voltage/cm: 195.5 V/cm

Injection Voltage/cm: 27 V/cm

60°C, Cap.Length: 33cm; ID/OD:50/361 μm

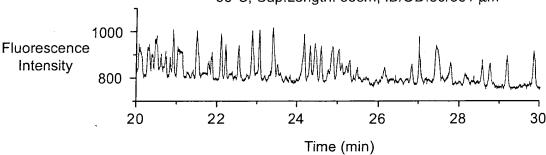
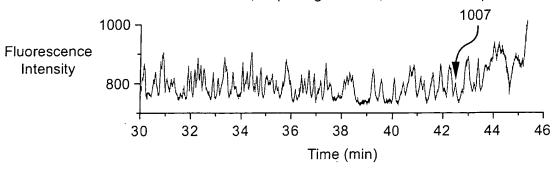
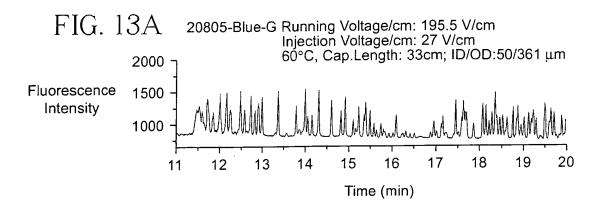


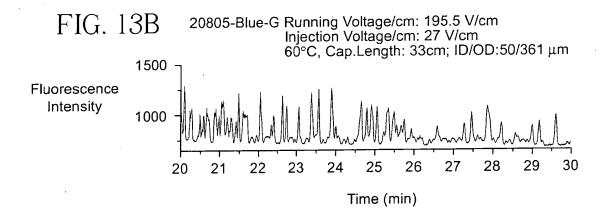
FIG. 12C MPN-Blue-G Running Voltage/cm: 195.5 V/cm Injection Voltage/cm: 27 V/cm

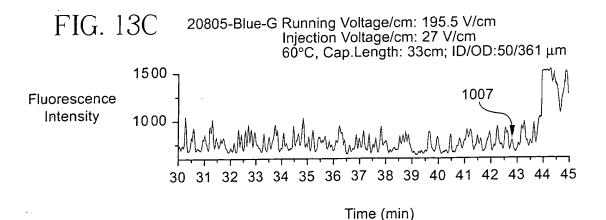
60°C, Cap.Length: 33cm; ID/OD:50/361 μm



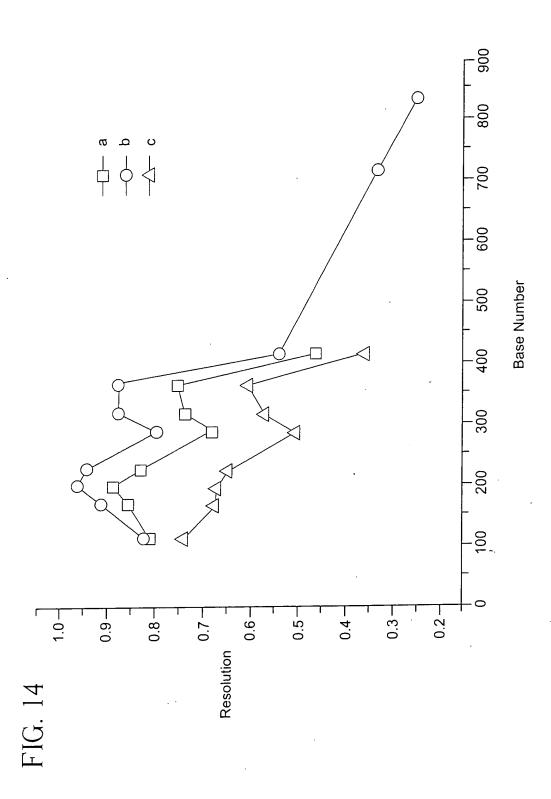
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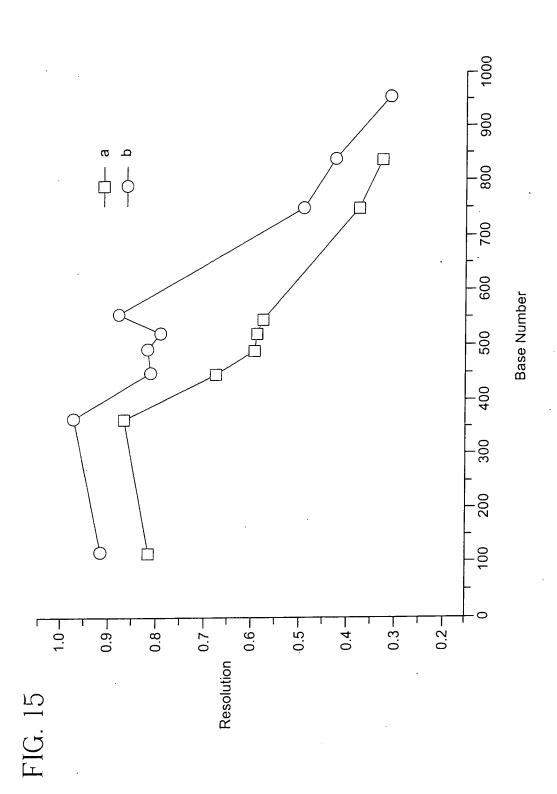




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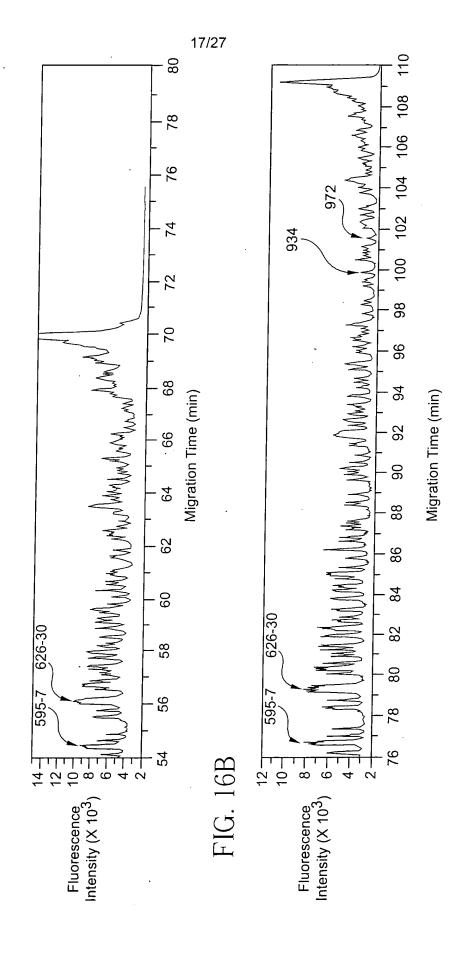
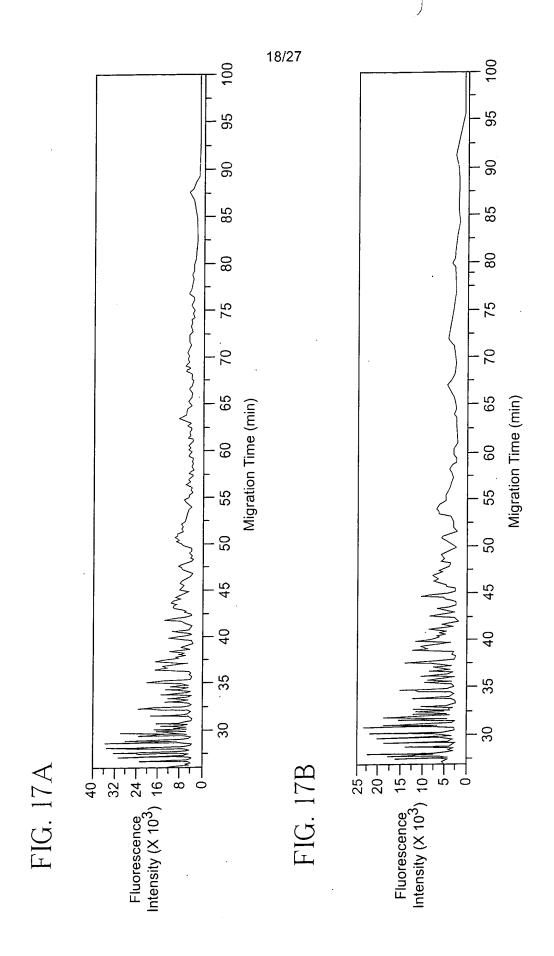
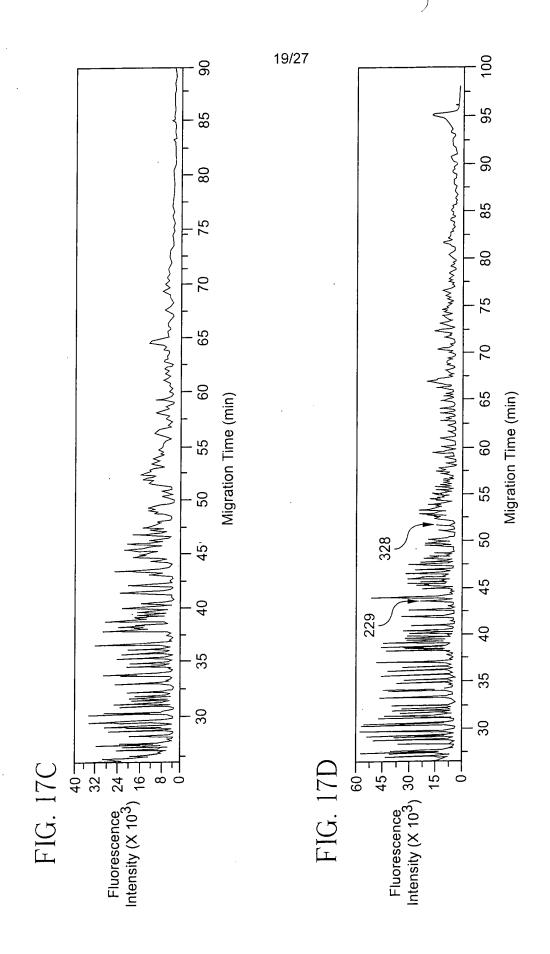
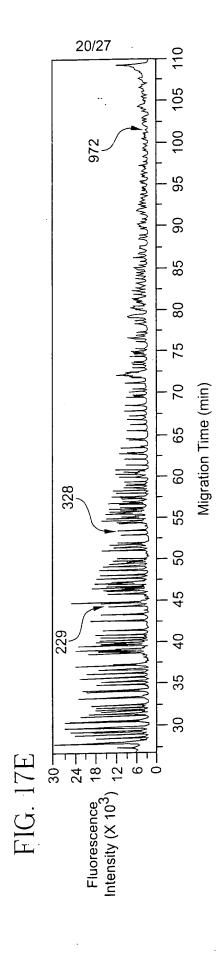


FIG. 16

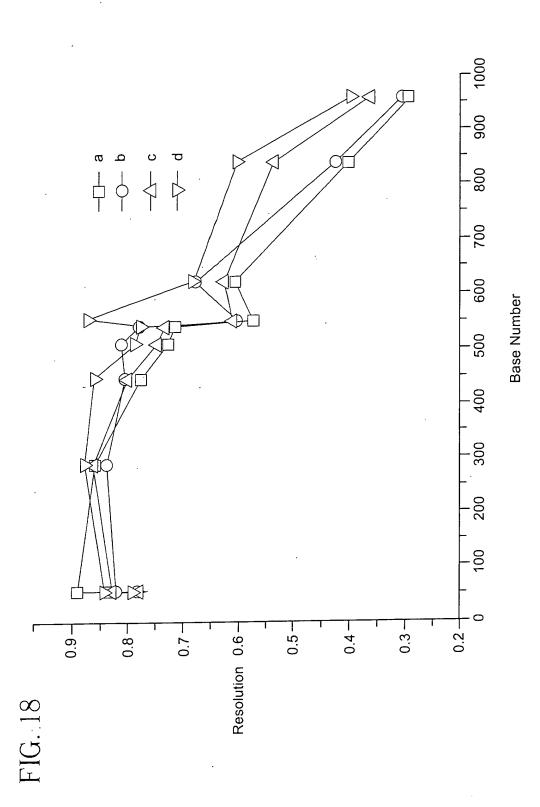
Application Serial No.: 10/671,335
Inventors: Benjamin Chu, et al
Title: Quasi-Interpenetrating Networks Used
As Separation Media
Docket: 178-314 A

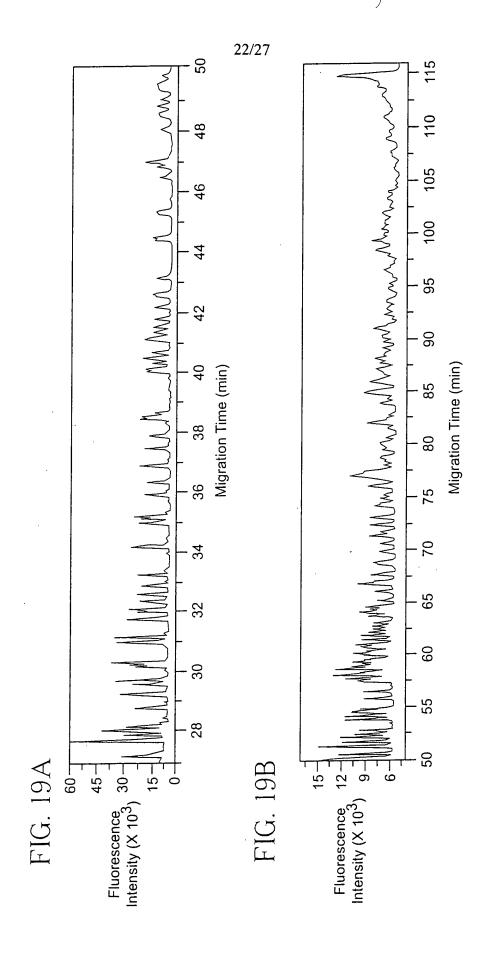






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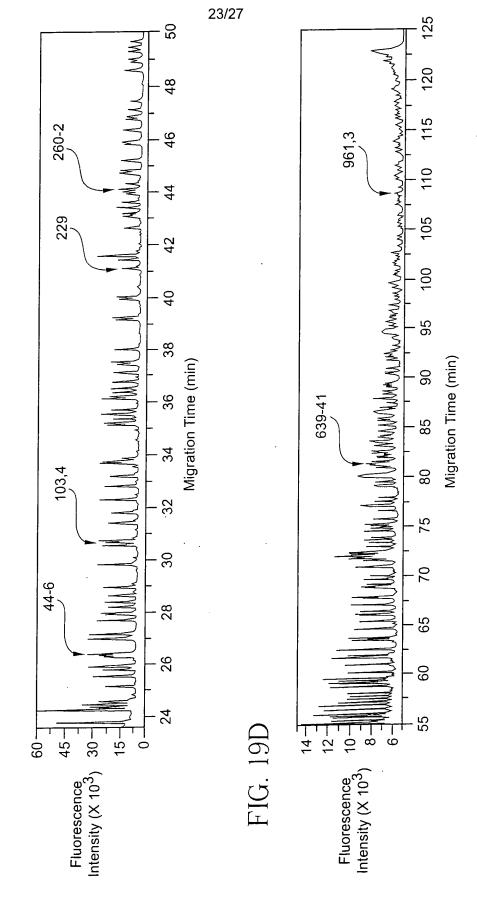


FIG. 19C

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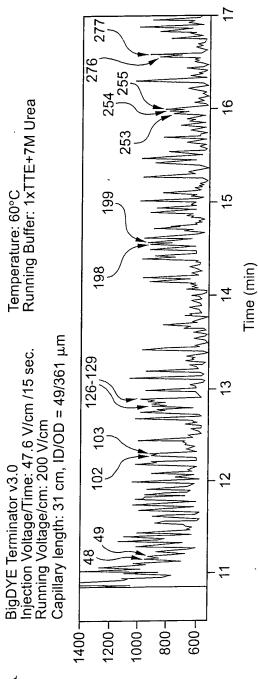
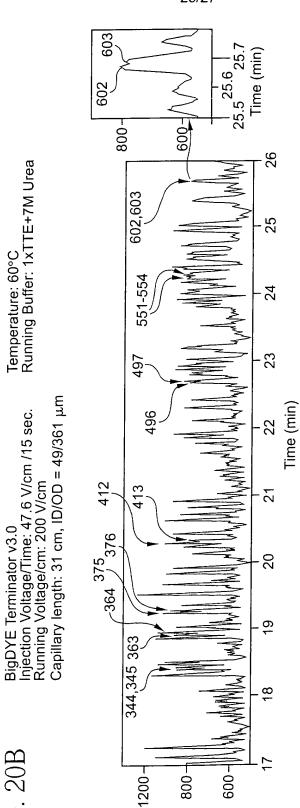


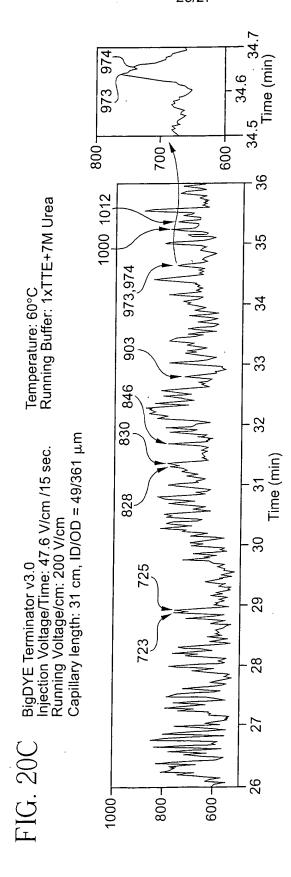
FIG. 20A

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Temperature: 60°C Running Buffer: 1xTTE+7M Urea

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